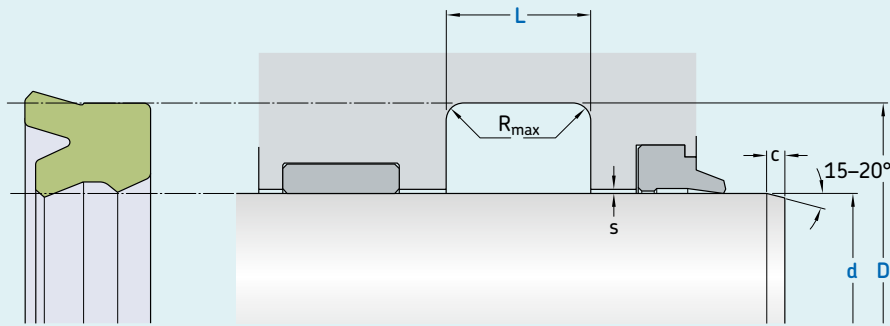


ZBR-P



Ordering dimensions in **blue**

Surface roughness	R_{tmax}	R_a
	μm	
Sliding surface	≤ 2.5	0.05–0.3
Bottom of groove	≤ 6.3	≤ 1.6
Groove face	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of $0.5 R_z$ based on $C_{ref} = 0\%$

Standard dimensions						Maximal radial extrusion gap			
d	f_8	D	L	R_{max}	c	$s^1)$			
over	incl.	H10	+ 0.2			20 bar	100 bar	200 bar	400 bar
mm						mm			
6	25	$d + 8$	6.3	0.4	3.5	0.33	0.17	0.11	0.05
25	50	$d + 10$	8.0	0.4	4.0	0.37	0.22	0.16	0.10
50	150	$d + 15$	10.0	0.4	5.0	0.46	0.31	0.25	0.19
150	300	$d + 20$	14.0	0.4	6.0	0.54	0.39	0.32	0.26
300	500	$d + 25$	17.0	0.4	8.5	0.61	0.46	0.39	0.33

¹⁾ Extrusion gap values shown above are valid for a temperature of 70 °C, higher temperatures require lower values.

Ordering example

Profile
 $d \times D \times L$ [mm]
 Sealing material

Rod Seal ZBR-P
100 x 115 x 10
ECOPUR

ZBR-P

Operating parameters

Material Seal	Temperature		Speed ¹⁾	Pressure ²⁾
	from	to	max	max
		°C	m/s	bar (MPa)
■ ECOPUR	-30	+110	0.5	400 (40)
■ H-ECOPUR	-20	+110	0.5	400 (40)
■ S-ECOPUR	-20	+110	0.5	400 (40)
■ T-ECOPUR	-50	+110	0.5	400 (40)

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.

¹⁾ Surface speed limit values are valid only in the presence of a lubrication film.

²⁾ Pressure ratings depend on the size of the extrusion gap.